

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------|------------------|---------|---------------------|
| S58 | 2289 | ("light-emitting" or "light emitting") same host and electroluminescent | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:48 |
| S34 | 1968 | ("200900009067" "200900009066" "200900009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732") | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:00 |

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|-----|------|---|--------------------|----|----|---------------------|
| | | "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in. | | | | |
| S13 | 1959 | "organic" and "electroluminescent" and "phosphorescent" and "host" | US-PGPUB; USPAT | OR | ON | 2009/04/06 09:59 |
| S14 | 1403 | "organic" and "electroluminescent" and "phosphorescent" and "host" and (257/40 313/502 313/503 313/504 313/505 313/506 313/507 313/508 313/509 313/510 313/511 313/512 313/513 428/690 428/917).ccls. | US-PGPUB; USPAT | OR | ON | 2009/04/06 10:01 |
| S68 | 930 | alg same ("electron injection" or "electron injecting" or "electron- injecting") | US-PGPUB; USPAT | OR | ON | 2009/05/14 11:12 |
| S43 | 628 | electroluminescent and host same dopant same complex and phosphorescent | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:06 |
| S44 | 430 | electroluminescent and host same dopant same "metal complex" and phosphorescent | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:06 |
| S22 | 329 | electroluminescent and ((impurities or impurity) same ppm) | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:17 |
| S19 | 252 | electroluminescent and halogen same impurities | US-PGPUB; USPAT | OR | ON | 2009/05/12 11:53 |
| S65 | 247 | (host same aromatic same ("light-emitting" or "light emitting")) and electroluminescent | US-PGPUB; USPAT | OR | ON | 2009/05/13 09:13 |

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|-----|-----|---|--------------------|----|----|---------------------|
| S25 | 220 | ("organic electroluminescent" or "organic EL") and ((impurities or impurity) same ppm) and halogen | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:22 |
| S23 | 107 | electroluminescent and ((impurities or impurity) same ppm) and halogen | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:20 |
| S24 | 101 | electroluminescent and ((impurities or impurity) same ppm) and halogen and organic | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:21 |
| S20 | 92 | electroluminescent and halogen same impurities and "organic EL" | US-PGPUB; USPAT | OR | ON | 2009/05/12 11:53 |
| S35 | 66 | ("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410") | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:00 |

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|-----|----|---|--------------------|----|----|---------------------|
| | | "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in. and electroluminescent and ("impurities" or impurity) same (bromine or chlorine or flourine)) | | | | |
| S32 | 62 | ("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:59 |

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|-----|----|--|--------------------|----|----|---------------------|
| | | "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. | | | | |
| S36 | 62 | ("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:00 |

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|-----|----|---|--------------------|----|----|---------------------|
| | | "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in. and electroluminescent and ("impurities" or impurity) same (bromine or chlorine or flourine) same ppm) | | | | |
| S63 | 55 | ("host material") same trivalent and electroluminescent | US-PGPUB; USPAT | OR | ON | 2009/05/13 09:07 |
| S66 | 51 | "Begley", in. and host | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:44 |
| S42 | 50 | electroluminescent and host same dopant same chelate | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:05 |

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|-----|----|--|--------------------|----|----|---------------------|
| S33 | 40 | "20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:59 |
|-----|----|--|--------------------|----|----|---------------------|

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|-----|----|--|--------------------------------|----|----|---------------------|
| | | "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. and (Chishio Hosokawa). in. | | | | |
| S57 | 38 | "Begley". in. and host and electroluminescent | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:44 |
| S27 | 26 | ("organic electroluminescent" or "organic EL") and (("impurities" or impurity) same ppm) and ("quenching" or "quencher") | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:28 |
| S48 | 23 | "514167" | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/05/12 15:39 |
| S64 | 19 | (host same trivalent same ("light-emitting" or "light emitting")) and electroluminescent | US-PGPUB; USPAT | OR | ON | 2009/05/13 09:08 |
| S29 | 15 | ("organic electroluminescent" or "organic EL" or electroluminescent) and (("impurities" or impurity) same ppm same ("bromine" or chlorine or flourine)) | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:34 |
| S21 | 14 | electroluminescent and halogen same impurities same ppm | US-PGPUB; USPAT | OR | ON | 2009/05/12 11:54 |
| S10 | 13 | ("10588773" or "11480465" or "11480463" or "10527530" or "10567903" or "10574179" or "10575092" or "10588233" or "10588786" or "10588549" or "11498071" or "11512110" or "11480919") | US-PGPUB; USPAT | OR | ON | 2009/04/02 16:03 |
| S28 | 13 | ("organic electroluminescent" or "organic EL") and (("impurities" or impurity) same ppm same ("bromine" or chlorine or flourine)) | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:30 |

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|-----|----|---|--------------------|----|----|---------------------|
| S9 | 12 | ("10588773" or "11480465" or "10527530" or "10567903" or "10574179" or "10575092" or "10588233" or "10588786" or "10588549" or "11498071" or "11512110" or "11480919") | US-PGPUB; USPAT | OR | ON | 2009/04/02 16:02 |
| S60 | 12 | higashi.in. and electroluminescent and halogen | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:55 |
| S26 | 11 | ("organic electroluminescent" or "organic EL") and (("impurities" or impurity) same ppm) same chlorine | US-PGPUB; USPAT | OR | ON | 2009/05/12 13:25 |
| S38 | 5 | (("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" "20070116982" "20070128467" "20070104976" "20070090753" "20080246391" "20070009760" "20070188083" "20060197077" "20070111024" "20060051613" "20060180806" "20060251918" "20060141284" "20060257684" "20060035109" | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:02 |

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|-----|---|--|--------------------------------|----|-----|---------------------|
| | | "20060049410" "20050158578" "20050127823" "20040191563" "20040086745" "20090072732" "20070224448" "20070275266" "20060257687" "20070075635" "20070003788" "20070120466" "20070104977" "20050244676" "20060024523" "20050227111" "20040229081" "20040214043" "20030054200" "20030077480" "20030044643" "20020098379" "6815090"). pn. or (Chishio Hosokawa). in.) and electroluminescent and ("impurities" or impurity) same ppm) | | | | |
| S18 | 5 | electroluminescent and halogen same impurities same host | US-PGPUB; USPAT | OR | ON | 2009/05/12 11:53 |
| S49 | 4 | "514167".pn. | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/05/12 15:39 |
| S47 | 2 | "4768292".pn. | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/05/12 15:38 |
| S50 | 2 | "5141671".pn. | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/05/12 15:39 |
| S61 | 2 | electroluminescent and impurities and "halide- containing" | US-PGPUB; USPAT | OR | ON | 2009/05/12 16:19 |
| L1 | 1 | "10588773" | US-PGPUB; USPAT | OR | OFF | 2009/12/18 14:03 |
| S8 | 1 | "10588773" | US-PGPUB; USPAT | OR | ON | 2009/04/02 16:02 |
| S1 | 1 | "2002175885" | JPO | OR | ON | 2009/04/02 15:40 |
| S2 | 1 | "2002175885" | DERWENT | OR | ON | 2009/04/02 15:40 |
| S3 | 1 | "2002373786".pn. | JPO | OR | ON | 2009/04/02 15:41 |

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|-----|---|---|--------------------------------|----|-----|---------------------|
| S4 | 1 | "2002373786".pn. | DERWENT | OR | ON | 2009/04/02 15:41 |
| S17 | 1 | "20030218418" | US-PGPUB; USPAT | OR | ON | 2009/04/14 14:56 |
| S59 | 1 | "20040007971".pn. | US-PGPUB; USPAT | OR | ON | 2009/05/12 15:54 |
| S69 | 1 | "20060035109" "20060035109" | US-PGPUB; USPAT | OR | ON | 2009/05/14 14:55 |
| S41 | 1 | "20060286402" | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:56 |
| S40 | 1 | "20070172698" | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:46 |
| S62 | 1 | "20070172698" | US-PGPUB; USPAT | OR | ON | 2009/05/12 16:44 |
| S12 | 1 | "20070172698".pn. | US-PGPUB; USPAT | OR | ON | 2009/04/06 09:07 |
| S70 | 1 | "20070172698".pn. | US-PGPUB; USPAT | OR | OFF | 2009/12/17 14:42 |
| S39 | 1 | "20070207347" | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:09 |
| S67 | 1 | "6265717".pn. | US-PGPUB; USPAT | OR | ON | 2009/05/14 09:51 |
| S66 | 1 | "6479172".pn. | US-PGPUB; USPAT | OR | ON | 2009/05/13 16:19 |
| S46 | 1 | "9855561".pn. | US-PGPUB; USPAT; DERWENT | OR | ON | 2009/05/12 15:28 |
| S37 | 1 | ((("20090009067" "20090009066" "20090009065" "20090008607" "20090008606" "20090008605" "20090039317" "20090017331" "20090017330" "20080206597" "20080100213" "20090030202" "20070108898" "20070069638" "20070052346" "20070054151" "20070224446" "20070141387" "20060163542" "20050249976" "20070190356" "20070159083" "20070172698" "20070296328" | US-PGPUB; USPAT | OR | ON | 2009/05/12 14:02 |

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 "20060024523"
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 "20030077480"
 "20030044643"
 "20020098379" "6815090").
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 in.) and electroluminescent
 and ("impurities" or
 impurity) same (bromine or
 chlorine or flourine) same
 ppm)

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